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June 25, 2014

Via Federal Express
TSCA Confidential Business Information Center (7407M)
EPA East - Room 6428 Attn: Section 8(e)
U.S. Environmental Protection Agency
1201 Constitution Avenue, NW
Washington, DC 20004-3302

Subject: Notice in Accordance with TSCA Section 8(e): Preliminary results of an acute inhalation toxicity study in Wistar Rats with an experimental pesticide formulation.

Dear Section 8(e) Coordinator:

[redacted] is submitting the preliminary results of an acute toxicity study in Wistar Rats, 4-hour liquid aerosol (nose only) with an experimental pesticide formulation containing the active ingredient, [redacted], conducted by [redacted].

The study was carried out according to the OECD Guidelines for Testing of Chemicals No 403.

Groups of animals were nose-only exposed to liquid aerosols of test substance for 4 hours. The surviving animals were observed for clinical signs of toxicity for 14 days. The actual measured concentrations were: 0.215 (males only), 0.491, 1.529 and 5.594 mg/L (analytical concentration).

The following is a summary of the most relevant preliminary results:

No animals died at 0.215 mg/L. All of the five males and none of the five females died at 0.491 mg/L. All of the five males and one of the five females died at 1.529 mg/L. At 5.594 mg/L all five males and no females died. Lethality was observed either during exposure or after exposure on study day 0.

Clinical signs of toxicity in animals comprised accelerated respiration, labored respiration, abdominal respiration, piloerection. During necropsy of the dead animals, many dark-red foci were seen on the lung. In some animals dark-red discolored lung and edema were observed. The surface of some of the lungs was partly sunken. Two female animals (1.529 mg/L) sacrificed at the end of the post-exposure observation period showed dark-red foci in the lung. The other surviving animals showed no gross pathological abnormalities during the necropsy at the termination of the post exposure observation period.

Under the current study condition, LC50 value was 0.411 mg/L (analytical concentration) in **male** Wistar rats after 4 hour inhalation exposure to liquid aerosol of BAS 306 18 I. Male animals were more susceptible than females, LC50 for female was > 5.594 mg/L.

[redacted] understands that reporting of results from this study under TSCA 8(e) is in accordance with EPA's policy.

Please note that a confidential version of this letter is enclosed, treating the chemical identity and company identity as Confidential Business Information.

A Confidentiality Substantiation Questionnaire is being submitted.

Sincerely,